

**GENERAL SERVICES ADMINISTRATION FEDERAL SUPPLY SERVICE
AUTHORIZED FEDERAL SUPPLY SCHEDULE CATALOG/PRICE LIST**

On-line access to contract ordering information, terms and conditions, up-to-date pricing, and the option to create an electronic delivery order is available through GSA Advantage!, a menu-driven database system. The INTERNET address for GSA Advantage! is <http://www.gsaadvantage.gov>

SCHEDULE TITLE: Multiple Award Schedule **FSC: MAS**

CONTRACT NUMBER: 47QTCA18D00DJ

CONTRACT PERIOD: 06/06/2018 through 06/05/2023

For more information on ordering from Federal Supply Schedules click on the FSS Schedules button at www.fss.gsa.gov

Price list current as of Modification #PS-A812, effective February 20, 2020

CONTRACTOR: Karthik Consulting LLC
11490 Commerce Park Drive, Suite 530
Reston, VA 20191
Phone: 703-589-8687
E-mail: karthikb@karthikconsulting.com

CONTRACTOR'S ADMINISTRATION SOURCE:
P.O.C. Karthikeyan Balasubramanian
Phone: 703-589-8687
E-mail: karthikb@karthikconsulting.com

BUSINESS SIZE: Small Business

CONTRACT INFORMATION:

1. TABLE OF AWARDED SPECIAL ITEM NUMBERS (SINs)

54151S IT	Professional Services
518210C	Cloud Computing
54151HACS	Highly Adaptive Cybersecurity Services
OLM	ORDER LEVEL MATERIAL

SIN	SERVICE PROPOSED (e.g. Job Title/Task)	Year 1	Year 2	Year 3	Year 4	Year 5
GOVERNMENT SITE						
54151HACS	Chief Information Security Officer	\$153.04	\$156.10	\$159.22	\$162.41	\$165.66
54151HACS	Data Security Administration Manager	\$113.68	\$115.95	\$118.27	\$120.64	\$123.05
54151HACS	Data Security Analyst - Intermediate	\$88.83	\$90.61	\$92.42	\$94.27	\$96.15
54151HACS	Data Security Analyst - Senior	\$105.87	\$107.99	\$110.15	\$112.35	\$114.60
54151HACS	Disaster Recovery Administrator	\$102.42	\$104.47	\$106.56	\$108.69	\$110.87
54151HACS	Disaster Recovery Analyst	\$95.57	\$97.48	\$99.43	\$101.42	\$103.45
54151HACS	Information Assurance Development Engineer	\$109.54	\$111.73	\$113.96	\$116.24	\$118.57
54151HACS	Information Assurance Engineer	\$84.90	\$86.59	\$88.33	\$90.09	\$91.89
54151HACS	Information Assurance Network Specialist	\$98.96	\$100.93	\$102.95	\$105.01	\$107.11
54151HACS	Information Assurance Systems/Network Specialist	\$100.63	\$102.65	\$104.70	\$106.79	\$108.93
54151HACS	Information Security Business Analyst	\$105.00	\$107.10	\$109.24	\$111.43	\$113.65
54151HACS	Information Services Consultant	\$122.25	\$124.70	\$127.19	\$129.74	\$132.33
54151HACS	Information Systems Auditor - Intermediate	\$90.19	\$91.99	\$93.83	\$95.71	\$97.62
54151HACS	Information Systems Auditor - Senior	\$107.05	\$109.20	\$111.38	\$113.61	\$115.88
54151HACS	Information Systems Training Specialist - Intermediate	\$76.39	\$77.92	\$79.47	\$81.06	\$82.69
54151HACS	Information Systems Training Specialist - Senior	\$92.39	\$94.24	\$96.13	\$98.05	\$100.01
54151HACS	Security Coordinator	\$86.46	\$88.19	\$89.95	\$91.75	\$93.59
54151HACS	Web Security Administrator	\$95.96	\$97.88	\$99.83	\$101.83	\$103.87
54151HACS	Web Security Analyst	\$96.65	\$98.58	\$100.55	\$102.56	\$104.61
54151HACS	Web Software Developer	\$93.29	\$95.16	\$97.06	\$99.00	\$100.98
54151S	Applications Systems Analyst/ Programmer – Intermediate	\$88.52	\$90.29	\$92.09	\$93.93	\$95.81
54151S	Applications Systems Analyst/ Programmer – Intermediate	\$97.36	\$99.31	\$101.30	\$103.32	\$105.39
54151S	Applications Systems Analyst/ Programmer – Senior	\$106.94	\$109.08	\$111.26	\$113.49	\$115.76
54151S	Applications Systems Analyst/ Programmer – Senior	\$117.63	\$119.99	\$122.39	\$124.83	\$127.33
54151S	Business Systems Analyst - Intermediate	\$90.48	\$92.29	\$94.14	\$96.02	\$97.94
54151S	Business Systems Analyst - Intermediate	\$99.53	\$101.52	\$103.55	\$105.62	\$107.73
54151S	Business Systems Analyst - Senior	\$108.90	\$111.07	\$113.29	\$115.56	\$117.87
54151S	Business Systems Analyst - Senior	\$119.79	\$122.18	\$124.63	\$127.12	\$129.66
54151S	Consultant	\$133.86	\$136.54	\$139.27	\$142.06	\$144.90
54151S	Data Architect	\$117.16	\$119.50	\$121.89	\$124.33	\$126.81
54151S	Data Warehousing Administrator	\$99.72	\$101.71	\$103.75	\$105.82	\$107.94
54151S	Data Warehousing Analyst	\$94.24	\$96.13	\$98.05	\$100.01	\$102.01
54151S	Data Warehousing Programmer	\$94.08	\$95.96	\$97.88	\$99.84	\$101.84
54151S	Database Administrator	\$100.59	\$102.61	\$104.66	\$106.75	\$108.89
54151S	Database Analyst/ Programmer - Intermediate	\$89.37	\$91.16	\$92.98	\$94.84	\$96.74
54151S	Database Analyst/ Programmer – Senior	\$107.66	\$109.82	\$112.01	\$114.25	\$116.54
54151S	Database Manager	\$114.76	\$117.05	\$119.39	\$121.78	\$124.22
54151S	Engineering Subject Matter Specialist	\$138.59	\$141.37	\$144.19	\$147.08	\$150.02
54151S	ERP Business Analyst - Senior	\$120.61	\$123.02	\$125.48	\$127.99	\$130.55
54151S	ERP Business/Architectural Specialist	\$133.57	\$136.24	\$138.96	\$141.74	\$144.58
54151S	ERP Programmer	\$102.64	\$104.69	\$106.79	\$108.92	\$111.10
54151S	Help Desk Manager	\$87.59	\$89.34	\$91.13	\$92.95	\$94.81
54151S	Help Desk Specialist	\$61.02	\$62.24	\$63.48	\$64.75	\$66.04

54151S	Help Desk Support Services Specialist - Intermediate	\$61.81	\$63.05	\$64.31	\$65.59	\$66.90
54151S	IT Subject Matter Specialist	\$151.82	\$154.86	\$157.95	\$161.11	\$164.34
54151S	LAN Administrator - Intermediate	\$77.75	\$79.31	\$80.89	\$82.51	\$84.16
54151S	LAN Administrator - Senior	\$93.29	\$95.15	\$97.06	\$99.00	\$100.98
54151S	LAN Support Technician - Intermediate	\$67.87	\$69.23	\$70.61	\$72.03	\$73.47
54151S	LAN Support Technician - Senior	\$82.38	\$84.03	\$85.71	\$87.42	\$89.17
54151S	Network Engineer - Intermediate	\$88.12	\$89.88	\$91.68	\$93.51	\$95.38
54151S	Network Engineer - Senior	\$105.09	\$107.19	\$109.34	\$111.52	\$113.75
54151S	Network Systems Administrator	\$89.19	\$90.98	\$92.80	\$94.65	\$96.55
54151S	Network Systems Manager	\$107.90	\$110.06	\$112.26	\$114.50	\$116.79
54151S	Project Manager	\$92.03	\$93.87	\$95.75	\$97.66	\$99.61
54151S	Project Manager – Senior	\$137.66	\$140.42	\$143.22	\$146.09	\$149.01
54151S	Quality Assurance Analyst - Intermediate	\$80.68	\$82.29	\$83.94	\$85.61	\$87.33
54151S	Quality Assurance Analyst - Senior	\$99.00	\$100.98	\$103.00	\$105.06	\$107.16
54151S	Software Architect	\$130.06	\$132.66	\$135.32	\$138.02	\$140.78
54151S	Software Developer – Intermediate	\$91.57	\$93.40	\$95.27	\$97.17	\$99.12
54151S	Software Developer – Senior	\$110.14	\$112.34	\$114.59	\$116.88	\$119.22
54151S	Software Systems Engineer - Intermediate	\$96.67	\$98.60	\$100.57	\$102.58	\$104.63
54151S	Software Systems Engineer - Senior	\$116.28	\$118.60	\$120.97	\$123.39	\$125.86
54151S	Systems Administrator - Intermediate	\$82.08	\$83.72	\$85.40	\$87.11	\$88.85
54151S	Systems Administrator - Senior	\$99.91	\$101.91	\$103.94	\$106.02	\$108.14
54151S	Systems Engineer	\$104.66	\$106.75	\$108.88	\$111.06	\$113.28
54151S	Technical Editor	\$73.41	\$74.88	\$76.38	\$77.91	\$79.47
54151S	Technical Writer	\$73.01	\$74.47	\$75.96	\$77.47	\$79.02
54151S	Test Engineer	\$96.10	\$98.02	\$99.98	\$101.98	\$104.02
54151S	UNIX Systems Administrator	\$98.65	\$100.62	\$102.64	\$104.69	\$106.78
54151S	Web Content Administrator	\$80.28	\$81.88	\$83.52	\$85.19	\$86.89
54151S	Web Content Analyst	\$83.55	\$85.22	\$86.92	\$88.66	\$90.44
54151S	Web Designer	\$85.64	\$87.36	\$89.10	\$90.89	\$92.70
54151S	Web Project Manager	\$111.32	\$113.55	\$115.82	\$118.13	\$120.50
CONTRACTOR SITE						
54151HACS	Chief Information Security Officer	\$168.34	\$171.71	\$175.15	\$178.65	\$182.22
54151HACS	Data Security Administration Manager	\$125.04	\$127.55	\$130.10	\$132.70	\$135.35
54151HACS	Data Security Analyst - Intermediate	\$97.71	\$99.67	\$101.66	\$103.69	\$105.77
54151HACS	Data Security Analyst - Senior	\$116.47	\$118.80	\$121.17	\$123.59	\$126.07
54151HACS	Disaster Recovery Administrator	\$112.67	\$114.92	\$117.22	\$119.56	\$121.95
54151HACS	Disaster Recovery Analyst	\$105.12	\$107.23	\$109.37	\$111.56	\$113.79
54151HACS	Information Assurance Development Engineer	\$120.49	\$122.90	\$125.35	\$127.86	\$130.42
54151HACS	Information Assurance Engineer	\$102.40	\$104.45	\$106.54	\$108.67	\$110.84
54151HACS	Information Assurance Network Specialist	\$108.86	\$111.03	\$113.25	\$115.52	\$117.83
54151HACS	Information Assurance Systems/Network Specialist	\$110.70	\$112.91	\$115.17	\$117.48	\$119.83
54151HACS	Information Security Business Analyst	\$115.50	\$117.81	\$120.16	\$122.57	\$125.02
54151HACS	Information Services Consultant	\$134.48	\$137.17	\$139.91	\$142.71	\$145.57
54151HACS	Information Systems Auditor - Intermediate	\$99.20	\$101.18	\$103.21	\$105.27	\$107.38
54151HACS	Information Systems Auditor - Senior	\$117.76	\$120.12	\$122.52	\$124.97	\$127.47
54151HACS	Information Systems Training Specialist - Intermediate	\$84.03	\$85.71	\$87.42	\$89.17	\$90.95
54151HACS	Information Systems Training Specialist - Senior	\$101.63	\$103.67	\$105.74	\$107.85	\$110.01
54151HACS	Security Coordinator	\$95.11	\$97.01	\$98.95	\$100.93	\$102.95
54151HACS	Web Security Administrator	\$105.55	\$107.66	\$109.82	\$112.01	\$114.25

54151HACS	Web Security Analyst	\$106.31	\$108.44	\$110.61	\$112.82	\$115.08
54151HACS	Web Software Developer	\$102.63	\$104.68	\$106.78	\$108.91	\$111.09
54151S	Consultant	\$147.25	\$150.19	\$153.20	\$156.26	\$159.39
54151S	Data Architect	\$128.87	\$131.45	\$134.08	\$136.76	\$139.50
54151S	Data Warehousing Administrator	\$109.69	\$111.89	\$114.12	\$116.41	\$118.74
54151S	Data Warehousing Analyst	\$103.67	\$105.74	\$107.86	\$110.01	\$112.21
54151S	Data Warehousing Programmer	\$103.49	\$105.56	\$107.67	\$109.82	\$112.02
54151S	Database Administrator	\$110.65	\$112.86	\$115.12	\$117.42	\$119.77
54151S	Database Analyst/ Programmer - Intermediate	\$98.31	\$100.28	\$102.28	\$104.33	\$106.42
54151S	Database Analyst/ Programmer – Senior	\$118.43	\$120.80	\$123.22	\$125.68	\$128.19
54151S	Database Manager	\$126.23	\$128.76	\$131.33	\$133.96	\$136.64
54151S	Engineering Subject Matter Specialist	\$152.46	\$155.50	\$158.61	\$161.79	\$165.02
54151S	ERP Business Analyst - Senior	\$132.66	\$135.32	\$138.02	\$140.79	\$143.60
54151S	ERP Business/Architectural Specialist	\$146.93	\$149.87	\$152.86	\$155.92	\$159.04
54151S	ERP Programmer	\$112.90	\$115.16	\$117.47	\$119.82	\$122.21
54151S	Help Desk Manager	\$96.35	\$98.27	\$100.24	\$102.24	\$104.29
54151S	Help Desk Specialist	\$67.12	\$68.46	\$69.83	\$71.23	\$72.65
54151S	Help Desk Support Services Specialist - Intermediate	\$67.99	\$69.35	\$70.74	\$72.15	\$73.59
54151S	IT Subject Matter Specialist	\$167.00	\$170.34	\$173.75	\$177.22	\$180.76
54151S	LAN Administrator - Intermediate	\$85.52	\$87.23	\$88.98	\$90.76	\$92.57
54151S	LAN Administrator - Senior	\$102.62	\$104.67	\$106.77	\$108.90	\$111.08
54151S	LAN Support Technician - Intermediate	\$74.66	\$76.15	\$77.68	\$79.23	\$80.82
54151S	LAN Support Technician - Senior	\$90.62	\$92.43	\$94.28	\$96.17	\$98.09
54151S	Network Engineer - Intermediate	\$96.94	\$98.87	\$100.85	\$102.87	\$104.93
54151S	Network Engineer - Senior	\$115.60	\$117.91	\$120.27	\$122.67	\$125.13
54151S	Network Systems Administrator	\$98.12	\$100.08	\$102.09	\$104.13	\$106.21
54151S	Network Systems Manager	\$118.69	\$121.06	\$123.49	\$125.96	\$128.47
54151S	Project Manager	\$111.00	\$113.22	\$115.48	\$117.79	\$120.15
54151S	Project Manager – Senior	\$151.43	\$154.46	\$157.55	\$160.70	\$163.91
54151S	Quality Assurance Analyst - Intermediate	\$88.74	\$90.51	\$92.32	\$94.17	\$96.05
54151S	Quality Assurance Analyst - Senior	\$108.90	\$111.07	\$113.29	\$115.56	\$117.87
54151S	Software Architect	\$143.07	\$145.93	\$148.85	\$151.83	\$154.86
54151S	Software Developer – Intermediate	\$100.73	\$102.74	\$104.79	\$106.89	\$109.03
54151S	Software Developer – Senior	\$121.15	\$123.58	\$126.05	\$128.57	\$131.14
54151S	Software Systems Engineer - Intermediate	\$106.33	\$108.46	\$110.63	\$112.84	\$115.10
54151S	Software Systems Engineer - Senior	\$127.90	\$130.45	\$133.06	\$135.73	\$138.44
54151S	Systems Administrator - Intermediate	\$90.29	\$92.10	\$93.94	\$95.82	\$97.73
54151S	Systems Administrator - Senior	\$109.90	\$112.10	\$114.34	\$116.63	\$118.96
54151S	Systems Engineer	\$115.12	\$117.42	\$119.77	\$122.17	\$124.61
54151S	Technical Editor	\$80.76	\$82.37	\$84.02	\$85.70	\$87.41
54151S	Technical Writer	\$80.30	\$81.90	\$83.54	\$85.21	\$86.92
54151S	Test Engineer	\$105.70	\$107.82	\$109.97	\$112.17	\$114.42
54151S	UNIX Systems Administrator	\$108.52	\$110.69	\$112.90	\$115.16	\$117.46
54151S	Web Content Administrator	\$88.31	\$90.07	\$91.87	\$93.71	\$95.59
54151S	Web Content Analyst	\$91.91	\$93.75	\$95.62	\$97.53	\$99.48
54151S	Web Designer	\$94.21	\$96.10	\$98.02	\$99.98	\$101.98
54151S	Web Project Manager	\$122.45	\$124.90	\$127.40	\$129.95	\$132.54

2. MAXIMUM ORDER*: The maximum order is \$500,000 for SINs 54151S, 518210C, and 54151HACS

*If the best value selection places your order over the Maximum Order identified in this catalog/price list, you have an opportunity to obtain a better schedule contract price. Before placing your order, contact the aforementioned contractor for a better price. The contractor may (1) offer a new price for this requirement (2) offer the lowest price available under this contract or (3) decline the order. A delivery order that exceeds the maximum order may be placed under the schedule contract in accordance with FAR 8.404.

3. MINIMUM ORDER: \$100

4. GEOGRAPHIC COVERAGE: Domestic and overseas delivery within the 48 contiguous states, Alaska, Hawaii, Puerto Rico, Washington, DC, and U.S. Territories. Note that for products, domestic delivery also includes a port or consolidation point, within the aforementioned areas, for orders received from overseas activities.

5. POINT(S) OF PRODUCTION: N/A

6. DISCOUNT FROM LIST PRICES: Prices shown are GSA net prices

7. QUANTITY/VOLUME DISCOUNT: None

8. PROMPT PAYMENT TERMS: None

9. Government Purchase Cards are accepted at and above the micro purchase threshold.

10. FOREIGN ITEMS: N/A

11a. TIME OF DELIVERY: Negotiated at Task Order Level

11b. EXPEDITED DELIVERY: Negotiated at Task Order Level

11c. OVERNIGHT AND 2-DAY DELIVERY: Negotiated at Task Order Level

11d. URGENT REQUIRMENTS: Agencies can contact the Contractor's representative to affect a faster delivery. Customers are encouraged to contact the contractor for the purpose of requesting accelerated delivery.

12. FOB POINT: Destination

Note: All travel required in the performance of this contract and orders placed hereunder must comply with the Federal Travel Regulations (FTR) or Joint Travel Regulations (JTR), as applicable, in effect on the date(s) the travel is performed. Established Federal Government per diem rates will apply to all contractor travel. Contractors cannot use GSA city pair contracts. The contractor shall not add the Industrial Funding Fee onto travel costs.

13a. ORDERING ADDRESS: Same as Contractor's address.

13b. ORDERING PROCEDURES: For supplies and services, the ordering procedures, information on Blanket Purchase Agreements (BPA's) are found in Federal Acquisition Regulation (FAR) 8.405-3.

14. PAYMENT ADDRESS: Same as Contractor's address.

15. WARRANTY PROVISION: Standard Commercial Warranty. Customers should contact the contractor for a copy of the warranty.

16. EXPORT PACKING CHARGES: N/A

17. TERMS AND CONDITIONS OF GOVERNMENT PURCHASE CARD ACCEPTANCE: Accepted at or below the micro-purchase level.

18. TERMS AND CONDITIONS OF RENTAL, MAINTENANCE, AND REPAIR (IF APPLICABLE): N/A

19. TERMS AND CONDITIONS OF INSTALLATION (IF APPLICABLE): N/A

20a. TERMS AND CONDITIONS OF REPAIR PARTS INDICATING DATE OF PARTS PRICE LISTS AND ANY DISCOUNTS FROM LIST PRICES (IF AVAILABLE): N/A

20b. TERMS AND CONDITIONS FOR ANY OTHER SERVICES (IF APPLICABLE): N/A

21. LIST OF SERVICE AND DISTRIBUTION POINTS (IF APPLICABLE): N/A

22. LIST OF PARTICIPATING DEALERS (IF APPLICABLE): N/A

23. PREVENTIVE MAINTENANCE (IF APPLICABLE): N/A

24a. SPECIAL ATTRIBUTES SUCH AS ENVIRONMENTAL ATTRIBUTES (e.g. recycled content, energy efficiency, and/or reduced pollutants): N/A

24b. Section 508 Compliance for EIT: N/A

25. DUNS NUMBER: 828199880

26. NOTIFICATION REGARDING REGISTRATION IN CENTRAL CONTRACTOR REGISTRATION (CCR) DATABASE: Contractor is registered in SAM, Cage Code = 56GH3

Service Contract Act (SCA) Matrix

The Service Contract Labor Standards, formerly the Service Contract Act (SCA) is applicable to this contract as it applies to the entire Multiple Award Schedule and all services provided. While no specific labor categories have been identified as being subject to SCLS due to exemptions for professional employees (FAR 22.1101, 22.1102 and 29 CRF 541.300), this contract still maintains the provisions and protections for SCLS eligible labor categories. If and/or when the contractor adds SCLS labor categories/employees to the contract through the modification process, the contractor must inform the Contracting Officer and establish a SCLS matrix identifying the GSA labor category titles, the occupational code, SCLS labor category titles and the applicable WD number. Failure to do so may result in cancellation of the contract.

TABLE 1: CLOUD COMPUTING SERVICES SIN

SIN Description	Sub-Categories ¹
<ul style="list-style-type: none"> Commercially available cloud computing services Meets the National Institute for Standards and Technology (NIST) definition of Cloud Computing essential characteristics Open to all deployment models (private, public, community or hybrid), vendors specify deployment models 	<ol style="list-style-type: none"> Software as a Service (SaaS): Consumer uses provider's applications on cloud infrastructure. Does not manage/control platform or infrastructure. Limited application level configuration may be available. Platform as a Service (PaaS): Consumer deploys applications onto cloud platform service using provider-supplied tools. Has control over deployed applications and some limited platform configuration but does not manage the platform or infrastructure. Infrastructure as a Service (IaaS): Consumer provisions computing resources. Has control over OS, storage, platform, deployed applications and some limited infrastructure configuration, but does not manage the infrastructure.

1. DESCRIPTION OF CLOUD COMPUTING SERVICES AND PRICING

CoreStack™ is an orchestration framework that allows users to perform your operational tasks on heterogeneous infrastructure by chaining various tools such as monitoring, logging, configuration management. CoreStack™ handles the lifecycle infra and application orchestration by stitching, provisioning, application deployment, monitoring and logging together a template and completing the cycle by event based orchestration such as auto scaling and auto healing. Thus ensuring end-to-end service delivery. Template is written in human readable YAML format.

SIN	MANUFACTURER NAME	PRODUCT NAME	UOI	GSA OFFER PRICE (inclusive of the .75% IFF)
518210C	CloudEnablers, Inc.	CoreStack™ Professional Up to 25 Nodes	Monthly	\$48.88
518210C	CloudEnablers, Inc.	CoreStack™ Professional Up to 250 Nodes	Monthly	\$447.87
518210C	CloudEnablers, Inc.	CoreStack™ Professional Up to 1000 Nodes	Monthly	\$1,576.02

SIN	MANUFACTURER NAME	PRODUCT NAME	UOI	GSA OFFER PRICE (inclusive of the .75% IFF)
518210C	CloudEnablers, Inc.	CoreStack™ Enterprise On-prem (Customer's Infra) Up to 100 Nodes	Monthly	\$1,097.23
518210C	CloudEnablers, Inc.	CoreStack™ Enterprise On-prem (Customer's Infra) Up to 250Nodes	Monthly	\$2,194.46
518210C	CloudEnablers, Inc.	CoreStack™ Enterprise On-prem (Customer's Infra) Up to 500 Nodes	Monthly	\$3,790.43
518210C	CloudEnablers, Inc.	CoreStack™ Enterprise On-prem (Customer's Infra) Up to 1000 Nodes	Monthly	\$5,186.90
518210C	CloudEnablers, Inc.	CoreStack™ Enterprise On-prem (Customer's Infra) > 1000 Nodes	Monthly - per node	\$4.99
518210C	CloudEnablers, Inc.	CoreStack™ Enterprise Hosted (CloudEnablers Infra) Up to 100 Nodes	Monthly	\$1,595.97
518210C	CloudEnablers, Inc.	CoreStack™ Enterprise Hosted (CloudEnablers Infra) Up to 250 Nodes	Monthly	\$2,693.20
518210C	CloudEnablers, Inc.	CoreStack™ Enterprise Hosted (CloudEnablers Infra) Up to 500 Nodes	Monthly	\$4,787.91
518210C	CloudEnablers, Inc.	CoreStack™ Enterprise Hosted (CloudEnablers Infra) Up to 1000 Nodes	Monthly	\$6,184.38
518210C	CloudEnablers, Inc.	CoreStack™ Enterprise Hosted (CloudEnablers Infra) > 1000 Nodes	Monthly - per node	\$5.98

CLOUD COMPUTING SERVICES ADHERENCE TO ESSENTIAL CLOUD CHARACTERISTICS:

CoreStack™ – Cloud Governance platform enables organizations to govern cloud operations, consumption, compliance and cost through its unique Cloud as Code approach. It provides a unified view across multiple clouds and enables various stakeholders in the organization to consume cloud in their own terms, using service entitlements and role-based access policies.

CoreStack accelerates the adoption of new cloud services and provides better control for the entire cloud life cycle operations. Cloud assets governed by CoreStack include Private Clouds, Public Clouds, Virtualization Platforms, IT Operations Tools, Applications and Subscriptions.

CloudOps:

Automate or orchestrate cloud infrastructure or application life cycle operations through cloud native templates and scripts. Protect existing investment on automation by supporting upload of templates of any cloud (CFN, ARM, HEAT) and scripts of any type (Chef, Puppet, Ansible, Shell, PowerShell). Absolutely no lock-in.

Compliance:

Provides centralized policy management across Hybrid/Multi-cloud services using declarative policy language. CoreStack allows to define enterprise business logic as policies which can be scheduled or executed on demand to manage compliance.

Security:

Assess security of your cloud infrastructure and application using cloud platform's native security assessment tools or third-party assessment tools. Operations team gets consolidated security insights from the dashboard to act on.

Remediation:

Event-driven automation supports remediation of both cloud infrastructure and application issues in an environment very effectively.

Cost and Budgets:

Track cost across multiple clouds and control them with budgets and quota at various levels such as cloud account, departments, projects and user.

Optimization:

Optimize cloud spend by monitoring cloud infrastructure utilization and providing recommendations based on best practices.

On-Demand Self-Service:

CoreStack Self Service module enable Ops team to set up an internal IT brokerage platform with a catalog of infra, apps and complex workloads. Provide self-service ability for users to consume infrastructure or application workloads from any cloud through a request and workflow process along with budget control. CoreStack enables Self Service IT through declarative templates or scripts which makes it extensible for any kind of complex application or workloads with absolute control and efficiency.

Broad Network Access:

CoreStack is a Multi-tenant SaaS Application. CoreStack SaaS Application is deployed in the Cloud and it allows users to sign up and use the Services from their laptop, workstation, mobile as long as they have the internet access in their network. CoreStack is also deployed on Premises for some of the customers, in that case it is accessible within the private network.

Resource Pooling:

CoreStack governs the consumption of various Cloud Services. It enables organization to pool resources across Cloud for their Cloud Infrastructure needs

Rapid Elasticity:

CoreStack is designed and developed as a highly distributed Microservice architecture. Each of the services are deployed independently with high availability for each of them. Every CoreStack Services can scale independently based on demand.

Measured Service:

CoreStack is provided as a SaaS offering and SaaS offering are metered through CoreStack Subscription management Service. CoreStack Subscription management service meters the resources governed and also meters the billing for various cloud services consumed by the end users. The metering services provides the charges for the CoreStack customer based on their Cloud utilization.

CoreStack supports multiple deployment models. CoreStack Public SaaS Version is hosted in the Cloud and It enables customers to govern their public Cloud services. CoreStack Private deployment is done for customers who want to govern their Private Clouds. There are cases where CoreStack requires to Govern both Private and Public Clouds. CoreStack is deployed as private and maintained with in their data center which has access for both Private and Public Clouds. CoreStack requires Agent to be installed.



PRODUCT	DESCRIPTION	UOI	GSA PRICE (Inclusive of IFF)
Unifyed Student - Verify SSO & IDP	Unifyed Student - Verify SSO & IDP: Unifyed Student-Verify provides a centralized identity management system that fulfills a key principle of Unifyed's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unifyed and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$211.59
Unifyed Student - Verify SSO & IDP >1,000 <2,500	Unifyed Student - Verify SSO & IDP >1,000 <2,500 Unifyed Student-Verify provides a centralized identity management system that fulfills a key principle of Unifyed's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unifyed and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$528.97

Unified Student - Verify SSO & IDP >2,500 <5,000	Unified Student - Verify SSO & IDP >2,500 <5,000 Unified Student-Verify provides a centralized identity management system that fulfills a key principle of Unified's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unified and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$881.61
Unified Student - Verify SSO & IDP >5,000 <10,000	Unified Student - Verify SSO & IDP >5,000 <10,000 Unified Student-Verify provides a centralized identity management system that fulfills a key principle of Unified's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unified and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$1,410.58
Unified Student - Verify SSO & IDP >10,000 <20,000	Unified Student - Verify SSO & IDP >10,000 <20,000 Unified Student-Verify provides a centralized identity management system that fulfills a key principle of Unified's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unified and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$2,821.16
Unified Student - Verify Password Manager with MFA <1,000	Unified Student - Verify Password Manager with MFA <1,000 Unified Student-Verify provides a centralized identity management system that fulfills a key principle of Unified's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unified and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$225.69
Unified Student - Verify Password Manager with MFA >1,000 <2,500	Unified Student - Verify Password Manager with MFA >1,000 <2,500 Unified Student-Verify provides a centralized identity management system that fulfills a key principle of Unified's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unified and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$458.44
Unified Student - Verify Password Manager with MFA >2,500 <5,000	Unified Student - Verify Password Manager with MFA >2,500 <5,000 Unified Student-Verify provides a centralized identity management system that fulfills a key principle of Unified's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unified and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$748.95
Unified Student - Verify Password Manager with MFA >5,000 <10,000	Unified Student - Verify Password Manager with MFA >5,000 <10,000 Unified Student-Verify provides a centralized identity management system that fulfills a key principle of Unified's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unified and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$1,128.46
Unified Student - Verify Password Manager with MFA >10,000 <20,000	Unified Student - Verify Password Manager with MFA >10,000 <20,000 Unified Student-Verify provides a centralized identity management system that fulfills a key principle of Unified's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unified and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$1,974.81

Unified Student - Verify Basics <1,000	Unified Student - Verify Basics <1,000 Unified Student-Verify provides a centralized identity management system that fulfills a key principle of Unified's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unified and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$371.72
Unified Student - Verify Basics >1,000 <2,500	Unified Student - Verify Basics >1,000 <2,500 Unified Student-Verify provides a centralized identity management system that fulfills a key principle of Unified's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unified and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$839.29
Unified Student - Verify Basics >2,500 <5,000	Unified Student - Verify Basics >2,500 <5,000 Unified Student-Verify provides a centralized identity management system that fulfills a key principle of Unified's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unified and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$1,408.84
Unified Student - Verify Basics >5,000 <10,000	Unified Student - Verify Basics >5,000 <10,000 Unified Student-Verify provides a centralized identity management system that fulfills a key principle of Unified's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unified and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$2,158.19
Unified Student - Verify Basics >10,000 <20,000	Unified Student - Verify Basics >10,000 <20,000 Unified Student-Verify provides a centralized identity management system that fulfills a key principle of Unified's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unified and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$4,076.57
Unified Student - Verify Adaptive MFA <1,000	Unified Student - Verify Adaptive MFA <1,000 Unified Student-Verify provides a centralized identity management system that fulfills a key principle of Unified's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unified and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$225.69
Unified Student - Verify Adaptive MFA >1,000 <2,500	Unified Student - Verify Adaptive MFA >1,000 <2,500 Unified Student-Verify provides a centralized identity management system that fulfills a key principle of Unified's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unified and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$458.44
Unified Student - Verify Adaptive MFA >2,500 <5,000	Unified Student - Verify Adaptive MFA >2,500 <5,000 Unified Student-Verify provides a centralized identity management system that fulfills a key principle of Unified's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unified and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$775.82

Unifyed Student - Verify Adaptive MFA >5,000 <10,000	Unifyed Student - Verify Adaptive MFA >5,000 <10,000 Unifyed Student-Verify provides a centralized identity management system that fulfills a key principle of Unifyed's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unifyed and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$1,128.46
Unifyed Student - Verify Adaptive MFA >10,000 <20,000	Unifyed Student - Verify Adaptive MFA >10,000 <20,000 Unifyed Student-Verify provides a centralized identity management system that fulfills a key principle of Unifyed's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unifyed and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$1,974.81
Unifyed Student - Verify First Time Users <1,000	Unifyed Student - Verify First Time Users <1,000 Unifyed Student-Verify provides a centralized identity management system that fulfills a key principle of Unifyed's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unifyed and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$57.10
Unifyed Student - Verify First Time Users >1,000 <2,500	Unifyed Student - Verify First Time Users >1,000 <2,500 Unifyed Student-Verify provides a centralized identity management system that fulfills a key principle of Unifyed's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unifyed and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$120.91
Unifyed Student - Verify First Time Users >2,500 <5,000	Unifyed Student - Verify First Time Users >2,500 <5,000 Unifyed Student-Verify provides a centralized identity management system that fulfills a key principle of Unifyed's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unifyed and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$201.51
Unifyed Student - Verify First Time Users >5,000 <10,000	Unifyed Student - Verify First Time Users >5,000 <10,000 Unifyed Student-Verify provides a centralized identity management system that fulfills a key principle of Unifyed's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unifyed and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$389.59
Unifyed Student - Verify First Time Users >10,000 <20,000	Unifyed Student - Verify First Time Users >10,000 <20,000 Unifyed Student-Verify provides a centralized identity management system that fulfills a key principle of Unifyed's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unifyed and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$671.71
Unifyed Student - Verify TextMe MFA <1,000	Unifyed Student - Verify TextMe MFA <1,000 Unifyed Student-Verify provides a centralized identity management system that fulfills a key principle of Unifyed's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unifyed and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$134.34

Unifyed Student - VerifyTextMe MFA >1,000 <2,500	Unifyed Student - VerifyTextMe MFA >1,000 <2,500 Unifyed Student-Verify provides a centralized identity management system that fulfills a key principle of Unifyed's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unifyed and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$235.09
Unifyed Student - Verify TextMe MFA >2,500 <5,000	Unifyed Student - Verify TextMe MFA >2,500 <5,000 Unifyed Student-Verify provides a centralized identity management system that fulfills a key principle of Unifyed's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unifyed and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$403.02
Unifyed Student - Verify TextMe MFA >5,000 <10,000	Unifyed Student - Verify TextMe MFA >5,000 <10,000 Unifyed Student-Verify provides a centralized identity management system that fulfills a key principle of Unifyed's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unifyed and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$738.87
Unifyed Student - Verify TextMe MFA >10,000 <20,000	Unifyed Student - Verify TextMe MFA >10,000 <20,000 Unifyed Student-Verify provides a centralized identity management system that fulfills a key principle of Unifyed's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unifyed and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$1,343.41
Unifyed Student - Verify IAM <1,000	Unifyed Student - Verify IAM <1,000 Unifyed Student-Verify provides a centralized identity management system that fulfills a key principle of Unifyed's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unifyed and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$671.71
Unifyed Student - Verify IAM >1,000 <2,500	Unifyed Student - Verify IAM >1,000 <2,500 Unifyed Student-Verify provides a centralized identity management system that fulfills a key principle of Unifyed's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unifyed and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$1,679.26
Unifyed Student - Verify IAM >2,500 <5,000	Unifyed Student - Verify IAM >2,500 <5,000 Unifyed Student-Verify provides a centralized identity management system that fulfills a key principle of Unifyed's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unifyed and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$3,358.52
Unifyed Student - Verify IAM >5,000 <10,000	Unifyed Student - Verify IAM >5,000 <10,000 Unifyed Student-Verify provides a centralized identity management system that fulfills a key principle of Unifyed's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unifyed and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$5,037.78

Unified Student - Verify IAM >10,000 <20,000	Unified Student - Verify IAM >10,000 <20,000 Unified Student-Verify provides a centralized identity management system that fulfills a key principle of Unified's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unified and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$10,075.57
Unified Student - Verify Shield <1,000	Unified Student - Verify Shield <1,000 Unified Student-Verify provides a centralized identity management system that fulfills a key principle of Unified's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unified and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$537.36
Unified Student - Verify Shield >1,000 <2,500	Unified Student - Verify Shield >1,000 <2,500 Unified Student-Verify provides a centralized identity management system that fulfills a key principle of Unified's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unified and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$644.84
Unified Student - Verify Shield >2,500 <5,000	Unified Student - Verify Shield >2,500 <5,000 Unified Student-Verify provides a centralized identity management system that fulfills a key principle of Unified's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unified and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$859.78
Unified Student - Verify Shield >5,000 <10,000	Unified Student - Verify Shield >5,000 <10,000 Unified Student-Verify provides a centralized identity management system that fulfills a key principle of Unified's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unified and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$1,074.73
Unified Student - Verify Shield >10,000 <20,000	Unified Student - Verify Shield >10,000 <20,000 Unified Student-Verify provides a centralized identity management system that fulfills a key principle of Unified's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unified and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$1,289.67
Unified Student Engage - Engage Only <1,000	Unified Student Engage - Engage Only <1,000 Unified Student-Verify provides a centralized identity management system that fulfills a key principle of Unified's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unified and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$302.27
Unified Student Engage - Engage Only >1,000 <2,500	Unified Student Engage - Engage Only >1,000 <2,500 Unified Student-Verify provides a centralized identity management system that fulfills a key principle of Unified's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unified and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$570.95

Unified Student Engage - Engage Only >2,500 <5,000	Unified Student Engage - Engage Only >2,500 <5,000 Unified Student-Verify provides a centralized identity management system that fulfills a key principle of Unified's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unified and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$1,007.56
Unified Student Engage - Engage Only >5,000 <10,000	Unified Student Engage - Engage Only >5,000 <10,000 Unified Student-Verify provides a centralized identity management system that fulfills a key principle of Unified's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unified and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$1,679.26
Unified Student Engage - Engage Only >10,000 <20,000	Unified Student Engage - Engage Only >10,000 <20,000 Unified Student-Verify provides a centralized identity management system that fulfills a key principle of Unified's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unified and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$2,350.96
Unified Student Engage - Engage + Verify SSO <1,000	Unified Student Engage - Engage + Verify SSO <1,000 Unified Student-Verify provides a centralized identity management system that fulfills a key principle of Unified's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unified and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$436.60
Unified Student Engage - Engage + Verify SSO >1,000 <2,500	Unified Student Engage - Engage + Verify SSO >1,000 <2,500 Unified Student-Verify provides a centralized identity management system that fulfills a key principle of Unified's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unified and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$738.87
Unified Student Engage - Engage + Verify SSO >2,500 <5,000	Unified Student Engage - Engage + Verify SSO >2,500 <5,000 Unified Student-Verify provides a centralized identity management system that fulfills a key principle of Unified's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unified and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$1,343.41
Unified Student Engage - Engage + Verify SSO >5,000 <10,000	Unified Student Engage - Engage + Verify SSO >5,000 <10,000 Unified Student-Verify provides a centralized identity management system that fulfills a key principle of Unified's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unified and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$2,149.45
Unified Student Engage - Engage + Verify SSO >10,000 <20,000	Unified Student Engage - Engage + Verify SSO >10,000 <20,000 Unified Student-Verify provides a centralized identity management system that fulfills a key principle of Unified's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unified and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$3,022.67

Unifyed Student Engage - Engage + Verify SSO+Password Manager+MFA <1,000	Unifyed Student Engage - Engage + Verify SSO+Password Manager+MFA <1,000 Unifyed Student-Verify provides a centralized identity management system that fulfills a key principle of Unifyed's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unifyed and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$671.71
Unifyed Student Engage - Engage + Verify SSO+Password Manager+MFA >1,000 <2,500	Unifyed Student Engage - Engage + Verify SSO+Password Manager+MFA >1,000 <2,500 Unifyed Student-Verify provides a centralized identity management system that fulfills a key principle of Unifyed's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unifyed and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$1,007.56
Unifyed Student Engage - Engage + Verify SSO+Password Manager+MFA >2,500 <5,000	Unifyed Student Engage - Engage + Verify SSO+Password Manager+MFA >2,500 <5,000 Unifyed Student-Verify provides a centralized identity management system that fulfills a key principle of Unifyed's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unifyed and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$1,847.18
Unifyed Student Engage - Engage + Verify SSO+Password Manager+MFA >5,000 <10,000	Unifyed Student Engage - Engage + Verify SSO+Password Manager+MFA >5,000 <10,000 Unifyed Student-Verify provides a centralized identity management system that fulfills a key principle of Unifyed's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unifyed and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$3,358.52
Unifyed Student Engage - Engage + Verify SSO+Password Manager+MFA >10,000 <20,000	Unifyed Student Engage - Engage + Verify SSO+Password Manager+MFA >10,000 <20,000 Unifyed Student-Verify provides a centralized identity management system that fulfills a key principle of Unifyed's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unifyed and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$4,366.08
Unifyed Student - Admit <1,000	Unifyed Student - Admit <1,000 Unifyed Student-Verify provides a centralized identity management system that fulfills a key principle of Unifyed's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unifyed and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$1,679.26
Unifyed Student - Admit >1,000 <2,500	Unifyed Student - Admit >1,000 <2,500 Unifyed Student-Verify provides a centralized identity management system that fulfills a key principle of Unifyed's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unifyed and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$2,015.11
Unifyed Student - Admit >2,500 <5,000	Unifyed Student - Admit >2,500 <5,000 Unifyed Student-Verify provides a centralized identity management system that fulfills a key principle of Unifyed's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unifyed and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$2,350.96

Unifyed Student - Admit >5,000 <10,000	Unifyed Student - Admit >5,000 <10,000 Unifyed Student-Verify provides a centralized identity management system that fulfills a key principle of Unifyed's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unifyed and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$2,686.82
Unifyed Student - Admit >10,000 <20,000	Unifyed Student - Admit >10,000 <20,000 Unifyed Student-Verify provides a centralized identity management system that fulfills a key principle of Unifyed's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unifyed and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$3,022.67
Unifyed Student - Manage <1,000	Unifyed Student - Manage <1,000 Unifyed Student-Verify provides a centralized identity management system that fulfills a key principle of Unifyed's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unifyed and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$11,754.83
Unifyed Student - Manage >1,000 <2,500	Unifyed Student - Manage >1,000 <2,500 Unifyed Student-Verify provides a centralized identity management system that fulfills a key principle of Unifyed's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unifyed and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$15,113.35
Unifyed Student - Manage >2,500 <5,000	Unifyed Student - Manage >2,500 <5,000 Unifyed Student-Verify provides a centralized identity management system that fulfills a key principle of Unifyed's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unifyed and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$18,471.87
Unifyed Student - Manage >5,000 <10,000	Unifyed Student - Manage >5,000 <10,000 Unifyed Student-Verify provides a centralized identity management system that fulfills a key principle of Unifyed's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unifyed and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$21,830.40
Unifyed Student - Manage>10,000 <20,000	Unifyed Student - Manage>10,000 <20,000 Unifyed Student-Verify provides a centralized identity management system that fulfills a key principle of Unifyed's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unifyed and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$25,188.92
Unifyed Student - Protect <1,000	Unifyed Student - Protect <1,000 Unifyed Student-Verify provides a centralized identity management system that fulfills a key principle of Unifyed's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unifyed and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$235.09

Unified Student - Protect >1,000 <2,500	Unified Student - Protect >1,000 <2,500 Unified Student-Verify provides a centralized identity management system that fulfills a key principle of Unified's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unified and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$268.69
Unified Student - Protect >2,500 <5,000	Unified Student - Protect >2,500 <5,000 Unified Student-Verify provides a centralized identity management system that fulfills a key principle of Unified's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unified and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$302.27
Unified Student - Protect >5,000 <10,000	Unified Student - Protect >5,000 <10,000 Unified Student-Verify provides a centralized identity management system that fulfills a key principle of Unified's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unified and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$335.85
Unified Student - Protect >10,000 <20,000	Unified Student - Protect >10,000 <20,000 Unified Student-Verify provides a centralized identity management system that fulfills a key principle of Unified's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unified and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.	User	\$369.44

A. FACTOR – CLOUD COMPUTING SERVICES ADHERENCE TO ESSENTIAL CLOUD CHARACTERISTICS:

Unified™ is a cloud-based, next generation student information system provider serving over seven million students in seven countries. Unified is a beautiful and easy-to-use solution designed with an analytics-first approach to increasing student engagement and international enrolment. Developed in partnership with the higher education community, our solution is both affordable and flexible to meet the needs of traditional and non-traditional institutions alike.

Unified Student – Verify: Unified Verify provides a centralized identity management system that fulfils a key principle of Unified's strategy by supporting industry-standard protocols. It uses an inclusive approach that covers Unified and 3rd party applications, offers flexible deployment options, and enhances the security level of higher ed institutions.

Unified Student – Admit: Unified Admit is a complete student recruitment platform designed to help higher education institutions in automating their entire student recruitment process. It helps in improving overall communication to engage students, derive meaningful insights, and simplify other admin tasks. Unified Admit allows substantial configuration options and rules to allow users to decide how the application will work.

Unified Student – Engage: Unified Student - Engage equips institutions with a highly intuitive, customizable, and simple-to-execute solution designed exclusively for higher education. Unified Engage

integrates with all major enterprise applications including SIS, LMS, email and more, making relevant information readily available across all devices.

Unifyed Student – Manage: Built by and for higher ed and in partnership with SAP®, Canvas®, D2L®, Blackboard® and Amazon Web Services®, Unifyed is an analytics-first approach solution to deliver the best-in-class constituent experience. With swift implementation in just 3 to 6 months, institutions of all sizes can leverage customized solutions and witness a rise in campus-wide productivity, student engagement, and communication.

Unifyed Student – Apps: Unifyed provides a wide range of apps to effectively engage prospects, students, faculty, staff and alumni. Users can create and publish apps using pre-built templates from the Unifyed app store. They can also select pre-built apps that integrate with existing enterprise applications or create apps in any programming language using Unifyed Studio.

On-Demand Self-Service:

Unifyed Student has self-service interface to manage the platform from the user interface prospective, as all settings for configurations and managing options are made available on the user interface itself.

Broad Network Access: Unifyed Student is a Multi-tenant SaaS Application. Unifyed Student SaaS Application is deployed in the Cloud and it allows users to sign up and use the Services from any device that has an internet connection and a web browser including laptop, desktop, mobile or tablet. Unifyed's solutions are both device and platform agnostic.

Resource Pooling: Unifyed governs the consumption of various Cloud Services. It enables organization to pool resources across Cloud for their Cloud Infrastructure needs.

Rapid Elasticity: Unifyed Student is designed and developed as a highly distributed Microservice architecture. Each of the services are deployed independently with high availability for each of them. Every Unifyed Student service can scale independently based on demand.

Measured Service: Unifyed Student works on a Named User license model where the client is charged for the named users it has. All services can be scaled for a client as per requirement.

B. FACTOR – CLOUD COMPUTING SERVICES DEPLOYMENT MODEL:

Unifyed runs its development, staging, user acceptance testing, and production environments in Amazon Virtual Private Cloud using Amazon EC2 instances Amazon Elastic Compute Cloud.

C. FACTOR – CLOUD COMPUTING SERVICES SERVICE MODEL (OPTIONAL):

Unifyed Student is a self-service, cloud-based SaaS solution hosted with Amazon Web Services (AWS), that has a multi-tenant architecture which allows us:

- To push software upgrades to client's environments without taking any downtime or disturbing any running services
- Send notifications post the release informing the customers about the new features that are added with the release

Cyber Secure Dashboard

PRODUCT NAME	PRODUCT DESCRIPTION	UOI	GSA PRICE (inclusive of IFF)
Hosted Dashboard - Annual (Single Account)	Hosted Dashboard - Annual (Single Account) The Cyber Secure Dashboard intuitively guides the user through the process of securing their information technology systems and providing detailed, step-by-step instructions, reference materials, industry best practices, and links to available templates and tools.	Year	\$1,435.77
Hosted Dashboard - Monthly (Single Account)	Hosted Dashboard - Monthly (Single Account) The Cyber Secure Dashboard intuitively guides the user through the process of securing their information technology systems and providing detailed, step-by-step instructions, reference materials, industry best practices, and links to available templates and tools.	Month	\$167.51
On-premise Dashboard initial year - Annual (Single Account)	On-premise Dashboard initial year - Annual (Single Account) The Cyber Secure Dashboard intuitively guides the user through the process of securing their information technology systems and providing detailed, step-by-step instructions, reference materials, industry best practices, and links to available templates and tools.	Year	\$3,828.72
On-premise Dashboard initial year - Monthly (Single Account)	On-premise Dashboard initial year - Monthly (Single Account) The Cyber Secure Dashboard intuitively guides the user through the process of securing their information technology systems and providing detailed, step-by-step instructions, reference materials, industry best practices, and links to available templates and tools.	Month	\$440.30
On-premise Dashboard subsequent years - Annual (Single Account)	On-premise Dashboard subsequent years - Annual (Single Account) The Cyber Secure Dashboard intuitively guides the user through the process of securing their information technology systems and providing detailed, step-by-step instructions, reference materials, industry best practices, and links to available templates and tools.	Year	\$2,392.95
On-premise Dashboard subsequent years - Monthly (Single Account)	On-premise Dashboard subsequent years - Monthly (Single Account) The Cyber Secure Dashboard intuitively guides the user through the process of securing their information technology systems and providing detailed, step-by-step instructions, reference materials, industry best practices, and links to available templates and tools.	Month	\$287.15
Additional Dashboard Accounts (Single Account)	Additional Dashboard Accounts (Single Account) The Cyber Secure Dashboard intuitively guides the user through the process of securing their information technology systems and providing detailed, step-by-step instructions, reference materials, industry best practices, and links to available templates and tools.	Year	\$1,435.77

Additional Dashboard Accounts (Single Account)	Additional Dashboard Accounts (Single Account) The Cyber Secure Dashboard intuitively guides the user through the process of securing their information technology systems and providing detailed, step-by-step instructions, reference materials, industry	Month	\$167.51
Hosted Dashboard - Annual (1-5 Accounts)	Hosted Dashboard - Annual (1-5 Accounts) The Cyber Secure Dashboard intuitively guides the user through the process of securing their information technology systems and providing detailed, step-by-step instructions, reference materials, industry best practices, and links to available templates and tools.	Year	\$1,220.40
Hosted Dashboard - Monthly (1-5 Accounts)	Hosted Dashboard - Monthly (1-5 Accounts) The Cyber Secure Dashboard intuitively guides the user through the process of securing their information technology systems and providing detailed, step-by-step instructions, reference materials, industry best practices, and links to available templates and tools.	Month	\$142.38
On-premise Dashboard initial year - Annual (1-5 Accounts)	On-premise Dashboard initial year - Annual (1-5 Accounts) The Cyber Secure Dashboard intuitively guides the user through the process of securing their information technology systems and providing detailed, step-by-step instructions, reference materials, industry best practices, and links to available templates and tools.	Year	\$3,254.41
On-premise Dashboard initial year - Monthly (1-5 Accounts)	On-premise Dashboard initial year - Monthly (1-5 Accounts) The Cyber Secure Dashboard intuitively guides the user through the process of securing their information technology systems and providing detailed, step-by-step instructions, reference materials, industry best practices, and links to available templates and tools.	Month	\$374.26
On-premise Dashboard subsequent years - Annual (1-5 Accounts)	On-premise Dashboard subsequent years - Annual (1-5 Accounts) The Cyber Secure Dashboard intuitively guides the user through the process of securing their information technology systems and providing detailed, step-by-step instructions, reference materials, industry best practices, and links to available templates and tools.	Year	\$2,034.01
On-premise Dashboard subsequent years - Monthly (1-5 Accounts)	On-premise Dashboard subsequent years - Monthly (1-5 Accounts) The Cyber Secure Dashboard intuitively guides the user through the process of securing their information technology systems and providing detailed, step-by-step instructions, reference materials, industry best practices, and links to available templates and tools.	Month	\$244.08
Additional Dashboard Accounts (1-5 Accounts)	Additional Dashboard Accounts (1-5 Accounts) The Cyber Secure Dashboard intuitively guides the user through the process of securing their information technology systems and providing detailed, step-by-step instructions, reference materials, industry best practices, and links to available templates and tools.	Year	\$1,220.40

Additional Dashboard Accounts (1-5 Accounts)	Additional Dashboard Accounts (1-5 Accounts) The Cyber Secure Dashboard intuitively guides the user through the process of securing their information technology systems and providing detailed, step-by-step instructions, reference materials, industry best practices, and links to available templates and tools.	Month	\$142.38
Hosted Dashboard - Annual (6-10 Accounts)	Hosted Dashboard - Annual (6-10 Accounts) The Cyber Secure Dashboard intuitively guides the user through the process of securing their information technology systems and providing detailed, step-by-step instructions, reference materials, industry best practices, and links to available templates and tools.	Year	\$1,148.61
Hosted Dashboard - Monthly (6-10 Accounts)	Hosted Dashboard - Monthly (6-10 Accounts) The Cyber Secure Dashboard intuitively guides the user through the process of securing their information technology systems and providing detailed, step-by-step instructions, reference materials, industry best practices, and links to available templates and tools.	Month	\$134.01
On-premise Dashboard initial year - Annual (6-10 Accounts)	On-premise Dashboard initial year - Annual (6-10 Accounts) The Cyber Secure Dashboard intuitively guides the user through the process of securing their information technology systems and providing detailed, step-by-step instructions, reference materials, industry best practices, and links to available templates and tools.	Year	\$3,062.97
On-premise Dashboard initial year - Monthly (6-10 Accounts)	On-premise Dashboard initial year - Monthly (6-10 Accounts) The Cyber Secure Dashboard intuitively guides the user through the process of securing their information technology systems and providing detailed, step-by-step instructions, reference materials, industry best practices, and links to available templates and tools.	Month	\$352.24
On-premise Dashboard subsequent years - Annual (6-10 Accounts)	On-premise Dashboard subsequent years - Annual (6-10 Accounts) The Cyber Secure Dashboard intuitively guides the user through the process of securing their information technology systems and providing detailed, step-by-step instructions, reference materials, industry best practices, and links to available templates and tools.	Year	\$1,914.36
On-premise Dashboard subsequent years - Monthly (6-10 Accounts)	On-premise Dashboard subsequent years - Monthly (6-10 Accounts) The Cyber Secure Dashboard intuitively guides the user through the process of securing their information technology systems and providing detailed, step-by-step instructions, reference materials, industry best practices, and links to available templates and tools.	Month	\$229.72
Additional Dashboard Accounts (6-10 Accounts)	Additional Dashboard Accounts (6-10 Accounts) The Cyber Secure Dashboard intuitively guides the user through the process of securing their information technology systems and providing detailed, step-by-step instructions, reference materials, industry best practices, and links to available templates and tools.	Year	\$1,148.61

Additional Dashboard Accounts (6-10 Accounts)	Additional Dashboard Accounts (6-10 Accounts) The Cyber Secure Dashboard intuitively guides the user through the process of securing their information technology systems and providing detailed, step-by-step instructions, reference materials, industry best practices, and links to available templates and tools.	Month	\$134.01
Hosted Dashboard - Annual (11-25 Accounts)	Hosted Dashboard - Annual (11-25 Accounts) The Cyber Secure Dashboard intuitively guides the user through the process of securing their information technology systems and providing detailed, step-by-step instructions, reference materials, industry best practices, and links to available templates and tools.	Year	\$1,076.83
Hosted Dashboard - Monthly (11-25 Accounts)	Hosted Dashboard - Monthly (11-25 Accounts) The Cyber Secure Dashboard intuitively guides the user through the process of securing their information technology systems and providing detailed, step-by-step instructions, reference materials, industry best practices, and links to available templates and tools.	Month	\$125.63
On-premise Dashboard initial year - Annual (11-25 Accounts)	On-premise Dashboard initial year - Annual (11-25 Accounts) The Cyber Secure Dashboard intuitively guides the user through the process of securing their information technology systems and providing detailed, step-by-step instructions, reference materials, industry best practices, and links to available templates and tools.	Year	\$2,871.54
On-premise Dashboard initial year - Monthly (11-25 Accounts)	On-premise Dashboard initial year - Monthly (11-25 Accounts) The Cyber Secure Dashboard intuitively guides the user through the process of securing their information technology systems and providing detailed, step-by-step instructions, reference materials, industry best practices, and links to available templates and tools.	Month	\$330.23
On-premise Dashboard subsequent years - Annual (11-25 Accounts)	On-premise Dashboard subsequent years - Annual (11-25 Accounts) The Cyber Secure Dashboard intuitively guides the user through the process of securing their information technology systems and providing detailed, step-by-step instructions, reference materials, industry best practices, and links to available templates and tools.	Year	\$1,794.71
On-premise Dashboard subsequent years - Monthly (11-25 Accounts)	On-premise Dashboard subsequent years - Monthly (11-25 Accounts) The Cyber Secure Dashboard intuitively guides the user through the process of securing their information technology systems and providing detailed, step-by-step instructions, reference materials, industry best practices, and links to available templates and tools.	Month	\$215.37
Additional Dashboard Accounts (11-25 Accounts)	Additional Dashboard Accounts (11-25 Accounts) The Cyber Secure Dashboard intuitively guides the user through the process of securing their information technology systems and providing detailed, step-by-step instructions, reference materials, industry best practices, and links to available templates and tools.	Year	\$1,076.83

Additional Dashboard Accounts (11-25 Accounts)	Additional Dashboard Accounts (11-25 Accounts) The Cyber Secure Dashboard intuitively guides the user through the process of securing their information technology systems and providing detailed, step-by-step instructions, reference materials, industry best practices, and links to available templates and tools.	Month	\$125.63
Hosted Dashboard - Annual (>25 Accounts)	Hosted Dashboard - Annual (>25 Accounts) The Cyber Secure Dashboard intuitively guides the user through the process of securing their information technology systems and providing detailed, step-by-step instructions, reference materials, industry best practices, and links to available templates and tools.	Year	\$915.30
Hosted Dashboard - Monthly (>25 Accounts)	Hosted Dashboard - Monthly (>25 Accounts) The Cyber Secure Dashboard intuitively guides the user through the process of securing their information technology systems and providing detailed, step-by-step instructions, reference materials, industry best practices, and links to available templates and tools.	Month	\$106.79
On-premise Dashboard initial year - Annual (>25 Accounts)	On-premise Dashboard initial year - Annual (>25 Accounts) The Cyber Secure Dashboard intuitively guides the user through the process of securing their information technology systems and providing detailed, step-by-step instructions, reference materials, industry best practices, and links to available templates and tools.	Year	\$2,440.81
On-premise Dashboard initial year - Monthly (>25 Accounts)	On-premise Dashboard initial year - Monthly (>25 Accounts) The Cyber Secure Dashboard intuitively guides the user through the process of securing their information technology systems and providing detailed, step-by-step instructions, reference materials, industry best practices, and links to available templates and tools.	Month	\$280.69
On-premise Dashboard subsequent years - Annual (>25 Accounts)	On-premise Dashboard subsequent years - Annual (>25 Accounts) The Cyber Secure Dashboard intuitively guides the user through the process of securing their information technology systems and providing detailed, step-by-step instructions, reference materials, industry best practices, and links to available templates and tools.	Year	\$1,525.50
On-premise Dashboard subsequent years - Monthly (>25 Accounts)	On-premise Dashboard subsequent years - Monthly (>25 Accounts) The Cyber Secure Dashboard intuitively guides the user through the process of securing their information technology systems and providing detailed, step-by-step instructions, reference materials, industry best practices, and links to available templates and tools.	Month	\$183.06
Additional Dashboard Accounts (>25 Accounts)	Additional Dashboard Accounts (>25 Accounts) The Cyber Secure Dashboard intuitively guides the user through the process of securing their information technology systems and providing detailed, step-by-step instructions, reference materials, industry best practices, and links to available templates and tools.	Year	\$915.30

Additional Dashboard Accounts (>25 Accounts)	Additional Dashboard Accounts (>25 Accounts) The Cyber Secure Dashboard intuitively guides the user through the process of securing their information technology systems and providing detailed, step-by-step instructions, reference materials, industry best practices, and links to available templates and tools.	Month	\$106.79
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A. FACTOR – CLOUD COMPUTING SERVICES ADHERENCE TO ESSENTIAL CLOUD CHARACTERISTICS:

The Cyber Secure Dashboard (CSD) enables organizations to manage compliance with cyber security standards developed by the National Institute of Standards and Technology (NIST). The Dashboard cross-references the technical and control requirements in NIST standards, and provides concrete, best-practices implementation guidance by providing visual clarity for managing the cybersecurity compliance process.

On-Demand Self-Service: The CSD provides self-service ability for users to consume infrastructure or application workloads from any cloud through a request and workflow process along with budget control. The CSD enables Self Service IT through declarative templates or scripts which makes it extensible for any kind of complex application or workloads with absolute control and efficiency.

Broad Network Access: The CSD is a multi-tenant SaaS Application. The CSD SaaS Application is deployed in a cloud environment allowing users to sign up and use the Services from their laptop, workstation, and mobile as long as they have the internet access in their network. The CSD may also be deployed on Premises for some of the customers, in which case it is accessible via the customer's private network.

Resource Pooling: As a multi-tenant SaaS Application, the CSD is deployed in a cloud environment that pools resources to serve multiple customers. Physical and virtual resources may be dynamically assigned according to customer's specifications. The customer generally does not control assignment over the computing resources but may require the cloud environment to adhere to certain computing and/or regulatory requirements.

Rapid Elasticity: The CSD is designed to be deployed independently with high availability and can scale independently based on demand.

Measured Service: The CSD is deployed in a cloud environment and provided as a SaaS Application to customers. Although the customer does not manage or control the underlying cloud infrastructure, the cloud environment in which the CSD is deployed can automatically control and optimize resources based on active user accounts, among other factors. Resource usage for the CSD cloud infrastructure may also be monitored, controlled, and reported.

B. FACTOR – CLOUD COMPUTING SERVICES DEPLOYMENT MODEL:

The CSD supports multiple deployment models. CSD Public SaaS Version is hosted in a public cloud infrastructure. A CSD on-premise deployment may be provided for customers who want to host the CSD in their private clouds. For these purposes, the CSD may be deployed in a private cloud (e.g., a cloud owned by a specific customer), a community cloud (e.g., a cloud owned by an organization), a public cloud (e.g., a cloud service provider), or a hybrid cloud (e.g., any combination of private, community, or public cloud).

C. FACTOR – CLOUD COMPUTING SERVICES SERVICE MODEL (OPTIONAL):

For each cloud computing service proposed to be categorized under a specific sub-category (IaaS, PaaS or SaaS), provide a written description of how the proposed service meets the NIST definition of that service model, within a half (1/2) page limitation for each cloud service submitted.

The CSD is provided as a SaaS application running on a cloud infrastructure. The CSD SaaS application can be accessed using a web browser. The customer does not manage or control the cloud infrastructure on which the CSD is deployed.

LABOR CATEGORY DESCRIPTIONS

SIN(s)	Labor Category	Education	Years Experience	Functional Responsibilities
54151S	Applications Systems Analyst/Programmer - Intermediate	Bachelors	3	Under general supervision, formulates and defines system scope and objectives through research and fact-finding to develop or modify moderately complex information systems. Prepares detailed specifications from which programs will be written. Designs, codes, tests, debugs, documents, and maintains those programs. Competent to work on most phases of applications systems analysis and programming activities, but requires instruction and guidance in other phases.
54151S	Applications Systems Analyst/Programmer – Senior	Bachelors	5	Under general direction, formulates and defines system scope and objectives. Devises or modifies procedures to solve complex problems considering computer equipment capacity and limitations, operating time, and form of desired results. Prepares detailed specifications from which programs will be written. Designs, codes, tests, debugs, and documents those programs. Competent to work at the highest technical level of all phases of applications systems analysis and programming activities. May be responsible for completion of a phase of a project. Regularly provides guidance and training to less-experienced analyst/programmers.
54151S	Business Analyst - Intermediate	Bachelors	3	Responsible for managing multiple contract engagements, ensures quality standards and work performance on all task orders, organizes and oversees work efforts, assigns resources to projects, manages personnel. Provides project direction and directs completion of tasks; ensures work standards are met, and reviews and resolves work discrepancies.
54151S	Business Analyst – Senior	Bachelors	5	Responsible for managing multiple contract engagements, ensures quality standards and work performance on all task orders, organizes and oversees work efforts, assigns resources to projects, manages personnel. Provides project direction and directs completion of tasks; ensures work standards are met, and reviews and resolves work discrepancies. Manages staff of analysts. Makes operational decisions considered authoritative in nature that impacts the engagement. Assigns duties to subordinates and ensures assignments are completed as directed. Responsible for ensuring senior level management within the client organization is aware of overall project status, including all relevant projects and their potential impact on higher level

SIN(s)	Labor Category	Education	Years Experience	Functional Responsibilities
				organizational strategic vision; this includes subject matter and unique technical knowledge
54151HACS / 54151S	Chief Information Security Officer	Bachelors	3	Provide professional advice, subject matter expertise, and problem solving services to leadership on issues related to information security tools, programs and practices, enforcement of security violations, and to develop secure and confidential technical solutions for business applications. Ensures that information technology (IT) systems comply with federal, state, and local privacy and security regulations and requirements (e.g. HIPAA, homeland defense initiatives) and serves as the liaison to other external resources that support cyber threat prevention, protection, response, and recovery plans and programs.
54151S	Consultant	Bachelors	3	Works with end user groups to evaluate and solve technical problems. Evaluates existing systems and/or user needs to analyze, design, recommend, and implement system changes.
54151S	Data Architect	Bachelors	3	Designs and builds relational databases. Develops strategies for data acquisitions, archive recovery, and implementation of a database. Works in a data warehouse environment, which includes data design, database architecture, metadata and repository creation. Translates business needs into long-term architecture solutions. Defines, designs, and builds dimensional databases. Develops data warehousing blueprints, evaluating hardware and software platforms, and integrating systems. Evaluates reusability of current data for additional analyses. Reviews object and data models and the metadata repository to structure the data for better management and quicker access.
54151HACS	Data Security Administration Manager	Bachelors	3	Directs and implements the necessary controls and procedures to cost-effectively protect information systems assets from intentional or inadvertent modification, disclosure, or destruction. Provides guidance and direction for the physical protection of information systems assets to other functional units. Provides reports to superiors regarding effectiveness of data security and makes recommendations for the adoption of new procedures. Assigns work to subordinates, monitors performance, and conducts performance appraisals. Interviews and makes recommendations for additional staff.

SIN(s)	Labor Category	Education	Years Experience	Functional Responsibilities
54151HACS	Data Security Analyst - Intermediate	Bachelors	3	Under general supervision, performs all procedures necessary to ensure the safety of information systems assets and to protect systems from intentional or inadvertent access or destruction. Interfaces with user community to understand their security needs and implements procedures to accommodate them. Ensures that user community understands and adheres to necessary procedures to maintain security. Conducts accurate evaluation of the level of security required. Provides management with status reports. Frequently reports to a Data Security Administration Manager.
54151HACS	Data Security Analyst - Senior	Bachelors	5	Under general direction, performs all procedures necessary to ensure the safety of information systems and to protect systems from intentional or inadvertent access or destruction. Interfaces with user community to understand their security needs and implements procedures to accommodate them. Ensures that user community understands and adheres to necessary procedures to maintain security. May require familiarity with domain structures, user authentication, and digital signatures. Conducts accurate evaluation of the level of security required. May require understanding of firewall theory and configuration. Must be able to weigh business needs against security concerns and articulate issues to management.
54151S	Data Warehousing Administrator	Bachelors	3	Coordinates the data administration technical function for both data warehouse development and maintenance. Plans and oversees the technical transitions between development, testing, and production phases of the workplace. Facilitates change control, problem management, and communication among data architects, programmers, analysts and engineers. Establishes and enforces processes to ensure a consistent, well-managed and well-integrated data warehouse infrastructure. Expands and improves data warehouse to includes data from all functions of the organization using data manipulation, transformation and cleansing tools.
54151S	Data Warehousing Analyst	Bachelors	3	Works in a data warehouse environment, which includes data design, database architecture, metadata and repository creation. Reviews data loaded into the data warehouse for accuracy. Responsible for the development, maintenance and support of an enterprise data warehouse system and corresponding data marts. Troubleshoots and tunes existing data warehouse applications. Conducts research into new data warehouse applications and determines viability for adoption. Assists in establishing development standards. Evaluates existing

SIN(s)	Labor Category	Education	Years Experience	Functional Responsibilities
				subject areas stored in the data warehouse. Incorporates existing subject areas into an enterprise model. Creates new or enhanced components of the data warehouse.
54151S	Data Warehousing Programmer	Bachelors	3	Responsible for product support and maintenance of the data warehouse. Performs data warehouse design and construction. Codes and documents scripts and stored procedures. Designs/implements data strategy methods. Develops appropriate programs and systems documentation. Assists with Meta data repository management. Prepares/implements data verification and testing methods for the data warehouse. Creates index and view scripts.
54151S	Database Administrator	Bachelors	3	Participates in the design, creation, and maintenance of computerized databases. Responsible for quality control and auditing of databases to ensure accurate and appropriate use of data. Works with management to develop database strategies to support company needs. Consults with and advises users on access to various databases. Works directly with users to resolve data conflicts and inappropriate data usage. Directs the maintenance and use of the corporate data dictionary.
54151S	Database Analyst/Programmer - Intermediate	Bachelors	3	Under general supervision, designs, implements and maintains moderately complex databases. Maintains database dictionaries and integration of systems through database design. Competent to work on most phases of database administration but may require some instruction and guidance in other phases.
54151S	Database Analyst/Programmer - Senior	Bachelors	5	Under general direction, designs, implements and maintains complex database with respect to JCL, access methods, access time, device allocation, validation checks, organization, protection and security, documentation and statistical methods. Includes maintenance of database dictionaries, overall monitoring of standards and procedures and integration of systems through database design. Competent to work at the highest level of all phases of database management.
54151S	Database Manager	Bachelors	3	Responsible for all activities related to the administration of computerized databases. Assigns personnel to various projects and directs their activities. Reviews and evaluates work and prepares performance reports. Confers with and advises subordinates on administrative policies and procedures, technical problems, priorities, and methods. Consults with and advises users of various databases. Projects long-range requirements for database administration in conjunction with other managers in the information systems function as well as

SIN(s)	Labor Category	Education	Years Experience	Functional Responsibilities
				business function managers. Prepares activity and progress reports regarding the database management section.
54151HACS	Disaster Recovery Administrator	Bachelors	3	Under general supervision, responsible for the overall security and integrity of organizational electronic data, data systems, and data networks. Designs and administers programs to include policies, standards, guidelines, training programs, and a viable quality assurance process for disaster recovery. Oversees and reviews the testing and implementation of software, data systems, and data networks to ensure that the integrity and security of all electronic data and data systems are adequately protected. Oversees and facilitates the preparation of an organization-wide business resumption plan. Responsible for ensuring the business resumption plan adequately addresses the organization's requirements and established time frames. Responsible for day-to-day security administration of the organization's data systems and data networks including systems access administration. Typically requires five or more years of experience in disaster recovery/business resumption planning.
54151HACS	Disaster Recovery Analyst	Bachelors	3	Responsible for security and integrity of assigned electronic data, data systems, and data networks. Designs and administers programs to include policies, standards, guidelines, training programs and a viable quality assurance process for disaster recovery. Oversees and reviews the testing and implementation of software, data systems and data networks to ensure that the integrity and security of all electronic data and data systems are adequately protected. Oversees and facilitates the preparation of an organization-wide business resumption plan. Responsible for ensuring the business resumption plan adequately addresses the organization's requirements and established time frames.
54151S	Engineering Subject Matter Specialist	Bachelors	3	Provides technical knowledge and analysis of highly specialized applications and operational environment, high-level functional systems analysis, design, integration, documentation, and implementation advice on exceptionally complex problems that necessitate high-level knowledge of the subject matter for effective implementation. Participates as needed in all phases of software development with emphasis on the planning, analysis, modeling, simulation, testing, integration, documentation and presentation phases.

SIN(s)	Labor Category	Education	Years Experience	Functional Responsibilities
54151S	ERP Business/ Architectural Specialist	Bachelors	3	Adapts functional business requirements and processes to technical solutions based upon comprehensive enterprise application solution sets. Enterprise resource planning and management processes, including but not limited to: knowledge management, investment analysis, data warehousing, e-commerce, return on investment analysis, human resource analysis, material management and logistics, supply chain management, procurement, ordering, manufacturing, decision support, and information dissemination.
54151S	ERP Business Analyst - Senior	Bachelors	5	Under general direction, serves as senior subject matter expert associated with content, processes, and procedures associated with ERP. Defines detailed requirements, analyzes business needs, and validates solutions with the client. Details requirements through product development and other functions to support the project team. Monitors other business analysts in software development methods and processes and implementation of those methods. Evaluates development projects and assists in tailoring the development process to meet the project needs.
54151S	ERP Programmer	Bachelors	3	Under general supervision, works primarily in ERP client/server enterprise application. Designs and develops all aspects of data conversion. Builds application tables, panels, and reports. Codes individual modules and complex functions. Develops application tables, panels, and reports for projects. Responsible for software integration and external interface development. Troubleshoots and resolves testing issues. Responsible for technical documentation.
54151S	Help Desk Manager	Bachelors	3	Has overall responsibility for help desk operations associated with the identification, prioritization and resolution of reported problems. Ensures that all phases of help desk support are properly coordinated, monitored, logged, tracked and resolved appropriately. May maintain responsibility for development, maintenance and integrity of help desk software.
54151S	Help Desk Specialist	Bachelors	3	Provides support to end users on a variety of issues. Identifies, researches, and resolves technical problems. Responds to telephone calls, email and personnel requests for technical support. Documents, tracks, and monitors the problem to ensure a timely resolution.
54151S	Help Desk Support Services Specialist - Senior	Bachelors	5	Under general direction, provides second-tier support to end users for either PC, server, or mainframe applications and hardware. Handles problems that the first tier of help desk support is unable to resolve. May interact with

SIN(s)	Labor Category	Education	Years Experience	Functional Responsibilities
				network services, software systems engineering, and/or applications development to restore service and/or identify and correct core problem. Simulates or recreates user problems to resolve operating difficulties. Recommends systems modifications to reduce user problems. Maintains currency and highest level of technical skill in field of expertise.
54151HACS	Information Assurance Development Engineer	Bachelors	3	Analyzes and defines security requirement for computer systems which may include mainframes, workstations, and personal computers. Designs, develops, engineers, and implements solutions that meet security requirements. Provides integration and implementation of the computer system security solution.
54151HACS	Information Assurance Engineer	Bachelors	3	Establishes and satisfies complex system-wide information security requirements based upon the analysis of user, policy, regulatory, and resource demands. Supports customers at the highest levels in the development and implementation of doctrine and policies. Applies know-how to government and commercial common user systems, as well as to dedicated special purpose systems requiring specialized security features and procedures.
54151HACS	Information Assurance Network Specialist	Bachelors	3	Analyzes general information assurance-related technical problems and provides basic engineering and technical support in solving these problems. Designs, develops, engineers, and implements solutions that meet network security requirements. Performs vulnerability/risk analyses of computer systems and applications during all phases of the system development life cycle.
54151HACS	Information Assurance Systems/Network Specialist	Bachelors	3	Installs, configures and maintains organization's operating systems. Analyzes and resolves problems associated with server hardware, NT, applications software. Detects, diagnoses, and reports NT related problems on both NT server and NT desktop systems. Performs a wide variety of tasks in software/hardware maintenance and operational support of NT Server systems.
54151HACS	Information Security Business Analyst	Bachelors	3	Determines enterprise information security standards. Develops and implements information security standards and procedures. Ensures that all information systems are functional and secure.
54151HACS	Information Services Consultant	Bachelors	3	Top-level technical expert supporting unlimited end user groups. Works with user groups to solve business problems with available technology including hardware, software, databases, and peripherals. Requires high level of diverse technical experience related to studying and

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				analyzing systems needs, systems development, systems process analysis, design, and re-engineering. Has skills and experience related to business management, systems engineering, operations research, and management engineering. Typically requires specialization in particular software or business application utilized in an end user environment. Keeps abreast of technological developments and applications.
54151HACS	Information Systems Auditor - Intermediate	Bachelors	3	Under general supervision, audits moderately complex new and existing information systems applications to ensure that appropriate controls exist, that processing is efficient and accurate, and that systems and procedures are in compliance with corporate standards. Competent to work on most phases of information systems auditing.
54151HACS	Information Systems Auditor - Senior	Bachelors	5	Under general direction, audits the most complex new and existing information systems applications to ensure that appropriate controls exist, that processing is efficient and accurate, and that information systems procedures are in compliance with corporate standards. Competent to work at the highest level of all phases of information systems auditing.
54151HACS	Information Systems Training Specialist - Intermediate	Bachelors	3	Under general supervision, organizes and conducts moderately complex training and educational programs for information systems or user personnel. Maintains records of training activities, employee progress, and program effectiveness. Competent to work on most phases of information systems training.
54151HACS	Information Systems Training Specialist - Senior	Bachelors	5	Under general direction, organizes, prepares, and conducts complex training and educational programs for information systems or user personnel. May design and develop in-house programs. Maintains records of training activities, employee progress, and program effectiveness. Competent to work at the highest level of all phases of information systems training.
54151S	IT Subject Matter Specialist	Bachelors	3	Provides extremely high-level subject matter proficiency for work described in the task. Provides advanced technical knowledge and analysis of highly specialized applications and operational environment, high-level functional systems analysis, design, integration, documentation, training, and implementation advice on complex problems that require doctorate level knowledge of the subject matter for effective implementation.
54151S	LAN Administrator - Intermediate	Bachelors	3	Under general supervision, responsible for the acquisition, installation, maintenance, and usage of the organization's local area network. Manages LAN

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				performance and maintains LAN security. Ensures that security procedures are implemented and enforced. Installs all network software. Evaluates, develops and maintains telecommunications systems. Troubleshoots LAN problems. Establishes and implements LAN policies, procedures, and standards and ensures their conformance with information systems and organization objectives. Trains users on LAN operation. Typically requires two to four years of experience. Frequently reports to a PC support manager or Senior LAN Administrator.
54151S	LAN Administrator - Senior	Bachelors	5	Under general direction, responsible for administration and day-to-day operation of organization's local area network (LAN). Provides integrated team support and maintenance of LAN hardware and software. Maintains integrity of the LAN hardware and software. Installs LAN software upgrades, including planning and scheduling, testing and coordination. Studies vendor products to determine those which best meet organization needs; assists in presentation of information to management resulting in purchase, and installation of hardware, software, and telecommunications equipment. Performs LAN security procedures, including implementing login requests. Evaluates new products and technologies to determine impact on existing system configurations. Prepares proposals, cot/benefit analyses, and feasibility studies. Provides liaison support between the PC/LAN team, vendors and internal support group as needed. Typically requires five to seven years of experience. Frequently reports to an information systems executive.
54151S	LAN Support Technician - Intermediate	Bachelors	3	Under general supervision, monitors and responds to technical control facility hardware and software problems utilizing hardware and software testing tools and techniques. May interface with vendor support service groups to ensure proper escalation during outages or periods of degraded system performance. May assist with installation of terminals and associated hardware. May provide LAN server support. Requires strong knowledge of PC/LAN communications hardware/software, in a multi-protocol environment, and network management software.
54151S	LAN Support Technician - Senior	Bachelors	5	Under general direction, monitors and responds to complex technical control facility hardware and software problems utilizing a variety of hardware and software testing tools and techniques. Provides primary interface with vendor support service groups or provides internal analysis and support to ensure proper escalation during

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				outages or periods of degraded system performance. May provide LAN server support. Requires extensive knowledge of PC/LAN communications hardware/software in a multi-protocol environment and network management software. May function as lead position providing guidance and training for less-experienced technicians.
54151S	Network Engineer - Intermediate	Bachelors	3	Under general supervision, oversees the purchase, installation, and support of network communications, including LAN/WAN systems. Works on problems of diverse scope where analysis of situation requires evaluation and judgment. Responsible for evaluating current systems. Assists in the planning of large-scale systems projects through vendor comparison and cost studies. Requires thorough knowledge of LAN/WAN systems, networks, and applications.
54151S	Network Engineer – Senior	Bachelors	5	Under general direction, manages the purchase, installation, and support of network communications, including LAN/WAN systems. Responsible for evaluating current systems. Works on complex problems where analysis of situation requires in-depth evaluation of various factors. Plans large-scale systems projects through vendor comparison and cost studies. Provides work leadership and training to lower level network engineers. Requires expert knowledge of LAN/WAN systems, networks, and applications.
54151S	Network Systems Administrator	Bachelors	3	Provides system administration of Network, Web, and/or communication systems, including Local Area Network (LAN) and Wide Area Network (WAN) systems, involving network security. Prepares technical implementation plans that provide integrated solutions including actions, milestones, timelines and critical paths required for complete solutions.
54151S	Network Systems Manager	Bachelors	3	Supervises all personnel engaged in the operation and support of network facilities, including all communications equipment in large scale or multi-shift operations. Supervises complex operations that involve two or more additional functions such as, but not limited to, network operations, systems security, systems software support, and production support activities.
54151S	Project Manager	Bachelors	3	Manages long-term IT engineering projects. Performs engineering design evaluations and works to complete projects within budget and scheduling restraints. Develops, implements, and monitors information systems policies and controls to ensure data accuracy, security, and regulatory compliance. Reviews reports of computer

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				and peripheral equipment production, malfunction, and maintenance to determine and address problems.
54151S	Project Manager – Senior	Bachelors	8	Responsible for all aspects of the development and implementation of assigned projects and provides a single point of contact for those projects. Takes projects from original concept through final implementation. Interfaces with all areas affected by the project including end users, computer services, and client services. Defines project scope and objectives. Develops detailed work plans, schedules, project estimates, resource plans, and status reports. Conducts project meetings and is responsible for project tracking and analysis. Ensures adherence to quality standards and reviews project deliverables. Manages the integration of vendor tasks and tracks and reviews vendor deliverables. Provides technical and analytical guidance to project team. Recommends and takes action to direct the analysis and solutions of problems.
54151S	Quality Assurance Analyst - Intermediate	Bachelors	3	Under general supervision, carries out procedures to ensure that all information systems, products and services meet minimum organization standards and end-user requirements. Thoroughly tests software to ensure proper operation and freedom from defects. Documents and works to resolve all problems. Reports progress on problem resolution to management. Devises improvements to current procedures and develops models of possible future configurations. Performs workflow analysis and recommends quality improvements. Frequently reports to a Quality Assurance Manager.
54151S	Quality Assurance Analyst - Senior	Bachelors	5	Under general direction, carries out procedures to ensure that all information systems, products and services meet organization standards and end-user requirements. Performs and leads tests of software to ensure proper operation and freedom from defects. May create test data for applications. Documents and works to resolve all complex problems. Reports progress on problem resolution to management. Devises improvements to current procedures and develops models of possible future configurations. Acts as information resource about assigned areas to technical writers and other Quality Assurance Analysts. Performs complex workflow analysis and recommends quality improvements. Frequently reports to a Quality Assurance Manager.
54151HACS	Security Coordinator	Bachelors	3	Coordinates, develops, and evaluates security programs for an organization.

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54151S	Software Architect	Bachelors	3	Works independently designing and developing new software products or major enhancements to existing software. May lead a large development team in the design of highly complex software systems. Acts as highest-level technical expert, addressing problems of systems integration, compatibility, and multiple platforms. Responsible for project completion. Performs feasibility analysis on potential future projects to management.
54151S	Software Developer - Intermediate	Bachelors	3	Under general supervision, develops codes, tests, and debugs new software or enhancements to existing software. Has good understanding of business applications. Works with technical staff to understand problems with software and resolve them. Resolves customer complaints with software and responds to suggestions for improvements and enhancements. May assist in development of software user manuals.
54151S	Software Developer - Senior	Bachelors	5	Under general direction, participates as high-level technical expert in design development, coding, testing, and debugging new software or significant enhancements to existing software. Works with technical staff to understand problems with software and develops specifications to resolve them. Resolves customer complaints and responds to suggestions for improvements and enhancements. Participates in the development of software user manuals. May act as team leader on less complex projects. Assists in training less experienced software development staff.
54151S	Software Systems Engineer - Intermediate	Bachelors	3	Under general supervision, works from specifications to develop or modify moderately complex software programming applications. Assists with design, coding, benchmark testing, debugging, and documentation of programs. Applications generally deal with utility programs, position control language, macros, subroutines, and other control modules. Competent to work on most phases of software systems programming applications, but requires instruction and guidance in other phases.
54151S	Software Systems Engineer –Senior	Bachelors	5	Under general direction, formulates and defines specifications for complex operating software programming applications or modifies/maintains complex existing applications using engineering releases and utilities from the manufacturer. Designs, codes, tests, debugs, and documents those programs. Responsible for applications dealing with the overall operating system, such as sophisticated file maintenance routines, large telecommunications networks, computer accounting, and advanced mathematical/scientific software packages.

SIN(s)	Labor Category	Education	Years Experience	Functional Responsibilities
				Competent to work at this highest technical level on all phases of software systems programming applications. May have responsibility for the evaluation of new and existing software products. May assist other systems programmers to effectively utilize the system's technical software.
54151S	Systems Administrator - Intermediate	Bachelors	3	Under general supervision, responsible for installing, configuring, and maintaining operating system workstations and servers, including web servers, in support of business processing requirements. Performs software installations and upgrades to operating systems and layered software packages. Schedules installations and upgrades and maintains them in accordance with established IT policies and procedures. Monitors and tunes the system to achieve optimum performance levels. Ensures workstation/server data integrity by evaluating, implementing, and managing appropriate software and hardware solutions. Ensures data/media recoverability by implementing a schedule of system backups and database archive operations. Supports media management through internal methods and procedures or through offsite storage and retrieval services. Develops and promotes standard operating procedures. Conducts routine hardware and software audits of workstations and servers to ensure compliance with established standards, policies, and configuration guidelines. Develops and maintains a comprehensive operating system hardware and software configuration database/library of all supporting documentation.
54151S	Systems Administrator - Senior	Bachelors	5	Under general direction, responsible for activities related to system administration. Assigns personnel to various projects, directs their activities, and evaluates their work. Ensures long-term requirements of systems operations and administration are included in the overall information systems planning of the organization. Responsible for the installation, maintenance, configuration, and integrity of computer software. Implements operating system enhancements that will improve the reliability and performance of the system.
54151S	Systems Engineer	Bachelors	3	Performs a variety of systems engineering tasks and activities that are broad in nature and are concerned with major systems design, integration, and implementation, including personnel, hardware, software, budgetary, and support facilities and/or equipment. Provides quality assurance review and the evaluation of new and existing software products.

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54151S	Technical Editor	Bachelors	3	Responsible for content of technical documentation. Checks author's document for spelling, grammar and content problems (e.g., missing instructions or sections; redundant or unnecessary sections). Accuracy of content may fall under this position or the programmer, depending on the expertise of the editor. Ensures that documents follow the style laid out in the organization's style guide. May also be responsible for maintaining the style guide. Suggests revisions to the style guide as appropriate. Editor is often a technical writer who has moved to this position. Note: This description is for a technical editor in a large software house or an editor in a technical lab, which produces papers for publication. Newsletter, newspaper, or magazine editors should not be matched to this position.
54151S	Technical Writer	Bachelors	3	Writes a variety of technical articles, reports, brochures, and/or manuals for documentation for a wide range of uses. Coordinates the display of graphics and the production of the document.
54151S	Test Engineer	Bachelors	3	Subject matter specialist providing testing know-how in for the support of user requirements of complex to highly complex software/hardware applications. Directs and/or participates in all phases of risk management assessments and software/hardware development with emphasis on analysis of user requirements, test design and test tools selection.
54151S	UNIX Systems Administrator	Bachelors	3	Responsible for the installation, configuration, and maintenance of UNIX operating systems. Recognizes and troubleshoots problems with server hardware and applications software. Establishes and documents standards and procedures for management review. Requires extensive knowledge of computer operations and familiarity with shell and kernel programming.
54151S	Web Content Administrator	Bachelors	3	Responsible for developing and providing content that will motivate and entertain users so that they regularly access the website and utilize it as a major source for information and decision making. Responsible for managing/performing website editorial activities including gathering and researching information that enhances the value of the site. Locates, negotiates and pursues content. Seeks out customers to gather feedback for website improvement and enhancements. Requires experience in production management, web page design, HTML and web graphics types and standards.
54151S	Web Content Analyst	Bachelors	3	Provides for development and content that will motivate and entertain users so that they regularly access the

SIN(s)	Labor Category	Education	Years Experience	Functional Responsibilities
				website and utilize it as a major source for information and decision-making. Provides managing/performing website editorial activities including gathering and researching information that enhances the value of the site.
54151S	Web Designer	Bachelors	3	Under direct supervision, designs and builds web pages using a variety of graphics software applications, techniques, and tools. Designs and develops user interface features, site animation, and special effects elements. Contributes to the design group's efforts to enhance the appeal of the organization's online offerings. Designs the website to support the organization's strategies and goals relative to external communications. Requires knowledge of web-based technologies including browsers ASP pages, HTML code, object-oriented technology, and graphics software.
54151S	Web Project Manager	Bachelors	3	Serves as project manager of a development team responsible for planning, developing, and deploying websites including preparation of text, graphics, audio, and video for web pages. Works directly with partners and clients to determine project scope and specifications. Coordinates the work of design and development teams to implement online designs. Reviews progress, manages resources, and ensures overall quality of completed website. Typically requires experience in management and understanding of web technologies.
54151HACS	Web Security Administrator	Bachelors	3	Under general supervision, performs all procedures necessary to ensure the safety of the organization's website and transactions across the Internet including the protection of confidential order information and external business-to-business connections. Applies Internet firewall and encryption technologies to maintain organizational and customer security. Ensures that the user community understands and adheres to established security procedures. Updates and deletes users, monitors and performs follow-up compliance violations, and develops security policies and practices and guidelines. Requires experience in Firewall/DMZ design and implementation.
54151HACS	Web Security Analyst	Bachelors	3	Performs all procedures necessary to ensure the safety of the organization's website and transactions across the Internet/intranet. Applies Internet firewall technologies to maintain security. Ensures that the user community understands and adheres to necessary procedures to maintain security. Updates and deletes users, monitors

SIN(s)	Labor Category	Education	Years Experience	Functional Responsibilities
				and performs follow-up on compliance violations, and develops security policies, practices, and guidelines.
54151HACS	Web Software Developer	Bachelors	3	Designs, develops, troubleshoots, debugs, and implements software code (such as HTML, CGI, and JavaScript) for a component of the website. Works with graphic designers and other members of a project team to develop the site concept, interface design, and architecture of the website. Responsible for interface implementation. Integrates web applications with backend databases. Deploys large web-based transaction systems using application servers. Researches, tests, builds, and coordinates the integration of new products per production and client requirements. Requires strong navigation and site-design instincts.